

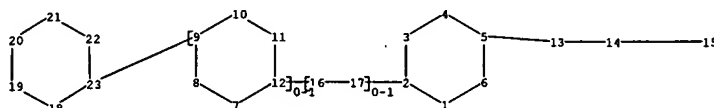
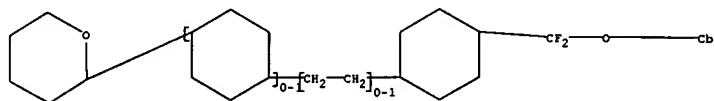
## WEST Search History

[Hide Items](#)[Restore](#)[Clear](#)[Cancel](#)

DATE: Thursday, December 28, 2006

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	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=ADJ</i>		
<input type="checkbox"/>	L10	(ACQU-\$ or CAQU-\$ or APUQU-\$) and liquid crystal\$	8
<input type="checkbox"/>	L9	acqu-\$ and liquid crystal\$	8
<input type="checkbox"/>	L8	acqu-\$	70
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<input type="checkbox"/>	L3	cacu-\$	2
<input type="checkbox"/>	L2	acqu-\$	1
<input type="checkbox"/>	L1	6902777	3

END OF SEARCH HISTORY



chain nodes :

13 14 15 16 17

ring nodes :

1 2 3 4 5 6 7 8 9 10 11 12 18 19 20 21 22 23

chain bonds :

2-17 5-13 9-23 12-16 13-14 14-15 16-17

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 18-19 18-23 19-20 20-21 21-22 22-23

exact/norm bonds :

1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 18-19 18-23 19-20 20-21 21-22 22-23

exact bonds :

2-17 5-13 9-23 12-16 13-14 14-15 16-17

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom  
13:CLAS 14:CLAS 15:Atom 16:CLAS 17:CLAS 18:Atom 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom

L3 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2006:1252591 CAPLUS  
TI Method for producing 2,5-substituted tetrahydropyran derivatives by  
reductive elimination of the corresponding 4-halogen derivative  
IN Poetsch, Eike; Binder, Werner; Lehmann, Stefan; Bensinger, Dieter  
PA Merck Patent G.m.b.H., Germany  
SO PCT Int. Appl., 72pp.  
CODEN: PIXXD2  
DT Patent  
LA German  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2006125526	A1	20061130	WO 2006-EP4387	20060510
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,				
	CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,				
	GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR,				
	KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX,				
	MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE,				
	SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,				
	VN, YU, ZA, ZM, ZW				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,				
	IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,				
	CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,				
	GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,				
	KG, KZ, MD, RU, TJ, TM				
PRAI	EP 2005-11323	A	20050525		
RE.CNT	5				
	THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD				
	ALL CITATIONS AVAILABLE IN THE RE FORMAT				

L3 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2006:1252358 CAPLUS  
TI Tetrahydropyrane derivatives comprising several rings containing oxygen  
and method for the production thereof  
IN Poetsch, Eike; Lietzau, Lars; Meyer, Volker; Binder, Werner; Jaehrling,  
Kai; Klasen-Memmer, Melanie; Manabe, Atsutaka; Wittek, Michael  
PA Merck Patent G.m.b.H., Germany  
SO PCT Int. Appl., 72pp.  
CODEN: PIXXD2  
DT Patent  
LA German  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2006125530	A1	20061130	WO 2006-EP4425	20060511
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,				
	CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,				
	GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR,				
	KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX,				
	MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE,				
	SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,				
	VN, YU, ZA, ZM, ZW				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,				
	IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,				
	CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,				
	GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,				
	KG, KZ, MD, RU, TJ, TM				
PRAI	EP 2005-11322	A	20050525		
RE.CNT	3				
	THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD				
	ALL CITATIONS AVAILABLE IN THE RE FORMAT				

L3 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2006:1251777 CAPLUS

TI Pyran/dioxan derivatives and use thereof in liquid crystal media  
 IN Lietzau, Lars; Czanta, Markus  
 PA Merck Patent G.m.b.H., Germany  
 SO PCT Int. Appl., 73pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA German  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2006125511	A1	20061130	WO 2006-EP4140	20060503
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
PRAI	EP 2005-11324	A	20050525		
	EP 2005-17654	A	20050812		

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2006:1250978 CAPLUS  
 TI Formyltetrahydropyrans, method for the production thereof, and use thereof in the production of liquid crystal compounds  
 IN Poetsch, Eike; Meyer, Volker; Binder, Werner; Lietzau, Lars; Jaehrling, Kai; Burek, Kasimir  
 PA Merck Patent G.m.b.H., Germany  
 SO PCT Int. Appl., 72pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA German  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2006125529	A1	20061130	WO 2006-EP4424	20060511
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
PRAI	EP 2005-11321	A	20050525		

RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2006:566777 CAPLUS  
 DN 145:53444  
 TI Liquid crystal compounds, liquid crystal medium and liquid crystal display  
 IN Kirsch, Peer; Unger, Gerald; Ruhl, Andreas; Heckmeier, Michael; Best,

Peter  
PA Merck Patent G.m.b.H., Germany  
SO PCT Int. Appl., 108 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2006061094	A1	20060615	WO 2005-EP12396	20051118
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			

PRAI EP 2004-29399 A 20041211

RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:962532 CAPLUS

DN 143:257153

TI Liquid crystal composition for bistable liquid crystal devices

IN Francis, Matthew; Goulding, Mark John; Jones, John Clifford; Beldon, Steve; Kirsch, Peer

PA Merck Patent G.m.b.H., Germany

SO PCT Int. Appl., 97 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005081215	A1	20050901	WO 2005-EP909	20050131
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
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EP 1721307	A1	20061115	EP 2005-701264	20050131
R:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR			

PRAI EP 2004-4100 A 20040224

WO 2005-EP909 W 20050131

RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:182781 CAPLUS

DN 142:287915

TI Liquid crystalline medium for use in electro-optical device

IN Heckmeier, Michael; Goetz, Achim; Czanta, Markus; Patrick, John; Farrand, Louise Diane; Schott, Cecile; Montenegro, Elvira; Kirsch, Peer  
PA Merck Patent GmbH, Germany  
SO PCT Int. Appl., 157 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005019381	A1	20050303	WO 2004-EP8678	20040803
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1658352	A1	20060524	EP 2004-741358	20040803
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
	US 2006210724	A1	20060921	US 2006-569460	20060224
PRAI	EP 2003-18709	A	20030825		
	WO 2004-EP8678	W	20040803		
OS	MARPAT 142:287915				

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2005:182778 CAPLUS  
DN 142:287912  
TI Mesogenic compounds, medium for electro-optical displays and electro-optical display  
IN Kirsch, Peer; Montenegro, Elvira; Farrand, Louise Diane; Pauluth, Detlef; Heckmeier, Michael  
PA Merck Patent G.m.b.H., Germany  
SO PCT Int. Appl., 134 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005019378	A1	20050303	WO 2004-EP8942	20040810
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
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	EP 1658351	A1	20060524	EP 2004-763959	20040810
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
	US 2006286308	A1	20061221	US 2006-569459	20060224
PRAI	EP 2003-18707	A	20030825		

WO 2004-EP8942 W 20040810

OS MARPAT 142:287912

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:1035070 CAPLUS

DN 142:30169

TI Pyran derivatives with an exocyclic double bond for liquid-crystal display devices

IN Poetsch, Eike; Meyer, Volker; Binder, Werner; Heckmeier, Michael; Luessem, Georg; Guertler, Stephan

PA Merck Patent GmbH, Germany

SO Eur. Pat. Appl., 102 pp.

CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1482020	A1	20041201	EP 2004-10545	20040504
	EP 1482020	B1	20060906		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
	AT 338803	T	20060915	AT 2004-10545	20040504
	DE 102004022891	A1	20050217	DE 2004-102004022891	20040510
	US 2005038267	A1	20050217	US 2004-852731	20040525
	JP 2004352722	A	20041216	JP 2004-157039	20040527
PRAI	DE 2003-10324348	A	20030527		

OS MARPAT 142:30169

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:1035069 CAPLUS

DN 142:30325

TI Pyran derivatives for use in liquid crystal media

IN Poetsch, Eike; Binder, Werner; Meyer, Volker; Heckmeier, Michael; Luessem, Georg

PA Merck Patent GmbH, Germany

SO Eur. Pat. Appl., 110 pp.

CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1482019	A1	20041201	EP 2004-10357	20040430
	EP 1482019	B1	20060927		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
	DE 102004021338	A1	20050303	DE 2004-102004021338	20040430
	AT 340836	T	20061015	AT 2004-10357	20040430
	JP 2004352721	A	20041216	JP 2004-157022	20040527
	US 2005017216	A1	20050127	US 2004-854718	20040527
PRAI	DE 2003-10324312	A	20030527		

OS MARPAT 142:30325

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:962862 CAPLUS

DN 141:403631

TI Liquid crystal compound and liquid crystal mixture showing improved

physical properties for liquid crystal display  
 IN Kirsch, Peer; Hahn, Alexander; Poetsch, Eike; Meyer, Volker; Heckmeier,  
 Michael; Klasen-Memmer, Melanie; Luessem, Georg; Hock, Christian  
 PA Merck Patent GmbH, Germany  
 SO Ger. Offen., 100 pp.  
 CODEN: GWXXBX  
 DT Patent  
 LA German  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 10318420	A1	20041111	DE 2003-10318420	20030424
PRAI	DE 2003-10318420		20030424		
OS	MARPAT 141:403631				

L3 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2004:466725 CAPLUS  
 DN 141:44938  
 TI Liquid crystalline compound suitable for liquid crystal mixture of liquid  
 crystal display  
 IN Kirsch, Peer; Hahn, Alexander; Poetsch, Eike; Meyer, Volker; Heckmeier,  
 Michael; Klasen-Memmer, Melanie; Luessem, Georg; Hock, Christian  
 PA Merck Patent G.m.b.H., Germany  
 SO Ger. Offen., 154 pp.  
 CODEN: GWXXBX  
 DT Patent  
 LA German  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 10353658	A1	20040609	DE 2003-10353658	20031117
WO	2004048501	A1	20040610	WO 2003-EP12813	20031117
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU	2003302394	A1	20040618	AU 2003-302394	20031117
EP	1565540	A1	20050824	EP 2003-811758	20031117
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN	1717468	A	20060104	CN 2003-80104414	20031117
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